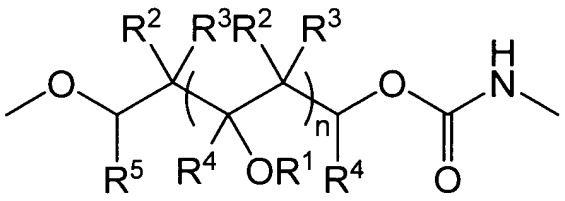
a.) Amendment to the Claims

Claim 1 (Cancelled).

2. (Previously Presented) A polyurethane having a structural unit represented by formula (I):



(I)

wherein n represents an integer of 2 to 1000,

R^1 represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

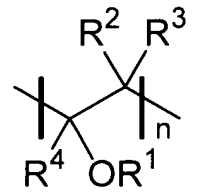
R^2, R^3 and R^4 independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^1s, R^2s, R^3s, and R^4s, when they are each present two or more in number, may be the same or different, and

R^5 represents a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl.

3. (Currently Amended) The polyurethane according to claim ~~1 or~~ 2, wherein the weight-average molecular weight thereof is 30000 to 1000000.

4. (Currently Amended) ~~The polyurethane according to claim 1, which is a urethane acrylate~~ An urethane acrylate having a structural unit represented by formula (XXX):



(XXX)

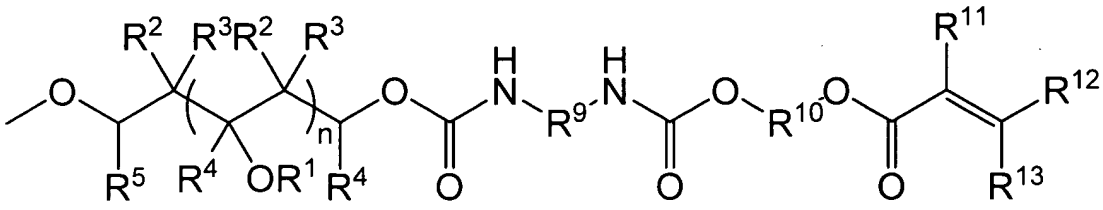
wherein n represents an integer of 2 to 1000,

R^1 represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^2, R^3 and R^4 independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl, and

R^1s, R^2s, R^3s, and R^4s, when they are each present two or more in number, may be the same or different.

5. (Currently Amended) An urethane acrylate having a structural unit represented by formula (II):



(II)

wherein n represents an integer of 2 to 1000,

R^1 represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^2, ~~R^3 and R^4~~ R^3, R^4 and R^5 independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^1s, R^2s, R^3s, and R^4s, when they are each present two or more in number, may be the same or different,

R^9 represents a residue derived from a polyisocyanate compound,

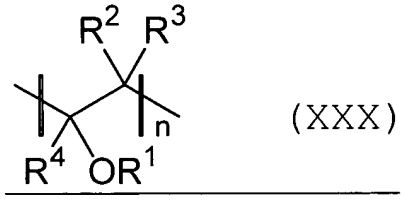
R^{10} represents substituted or unsubstituted lower alkylene, substituted or unsubstituted cycloalkylene, or substituted or unsubstituted arylene, and

R^{11}, R^{12} and R^{13} independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or a substituted or unsubstituted aralkyl.

6. (Original) The urethane acrylate according to claim 4 or 5, wherein the number-average molecular weight thereof is 200 to 10000.

7. (Previously Presented) A composition comprising the urethane acrylate according to claim 4 or 5, and a radical photo-, or thermal polymerization initiator.

8. (Currently Amended) ~~The polyurethane according to claim 1, which is a urethane alkenyl ether~~ An urethane alkenyl ether, having a structural unit represented by formula (XXX):



(XXX)

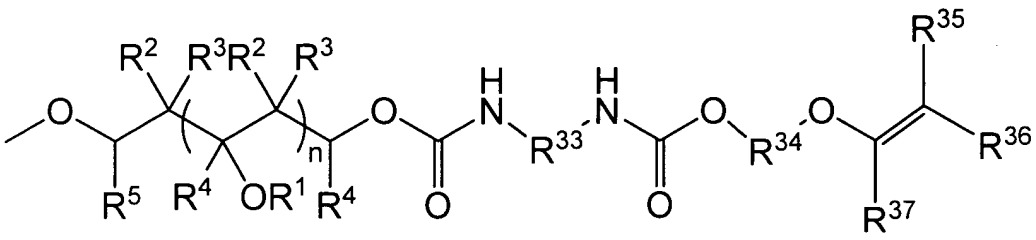
wherein n represents an integer of 2 to 1000,

R^1 represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^2, R^3 and R^4 independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl, and

R^1s, R^2s, R^3s, and R^4s, when they are each present two or more in number, may be the same or different.

9. (Currently Amended) An urethane alkenyl ether having a structural unit represented by formula (XI):



(XI)

wherein n represents an integer of 2 to 1000,

R^1 represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^2, ~~R^3 and R^4~~ R^3, R^4 and R^5 independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^1s, R^2s, R^3s, and R^4s, when they are each present two or more in number, may be the same or different,

R^{33} represents a residue derived from a polyisocyanate compound,

R^{34} represents a substituted or unsubstituted lower alkylene, substituted or unsubstituted cycloalkylene, or substituted or unsubstituted arylene, and

R^{35}, R^{36} and R^{37} independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl or substituted or unsubstituted aralkyl.

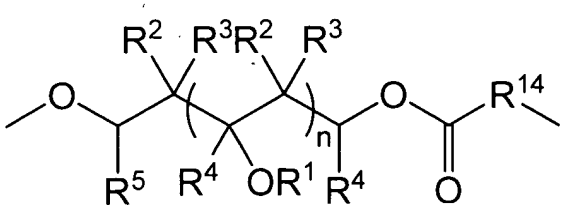
10. (Original) The urethane alkenyl ether according to claim 8 or 9, wherein the number-average molecular weight thereof is 200 to 10000.

11. (Previously Presented) A composition comprising the urethane alkenyl ether according to claim 8 or 9, and a polymerization initiator generating an acid through heating or light irradiation.

12. (Previously Presented) A composition comprising the urethane alkenyl ether according to claim 8 or 9, and a compound having a maleimido group.

Claim 13 (Cancelled)

14. (Currently Amended) A polyester having a structural unit represented by formula (III):



(III)

wherein n represents an integer of 2 to 1000,

R^1 represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^2, ~~R^3 and R^4~~ $\underline{R^3, R^4 \text{ and } R^5}$ independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

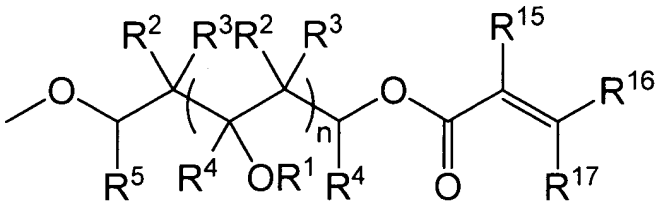
R^1s, R^2s, R^3s, and R^4s, when they are each present two or more in number, may be the same or different, and

R^{14} represents substituted or unsubstituted lower alkylene, substituted or unsubstituted cycloalkylene, or substituted or unsubstituted arylene.

15. (Currently Amended) The polyester according to claim ~~13 or~~ 14, wherein the weight-average molecular weight thereof is 30000 to 1000000.

Claim 16 (Cancelled).

17. (Currently Amended) An ester acrylate having a structural unit represented by formula (IV):



(IV)

wherein n represents an integer of 2 to 1000,

R^1 represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^2, ~~R^3 and R^4~~ R^3, R^4 and R^5 independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^1s, R^2s, R^3s, and R^4s, when they are each present two or more in number, may be the same or different, and

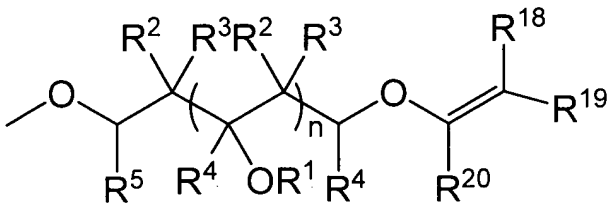
R^{15}, R^{16}, and R^{17} independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl.

18. (Currently Amended) The ester acrylate according to claim ~~16 or~~ 17, wherein the number-average molecular weight thereof is 200 to 10000.

19. (Currently Amended) A composition comprising the ester acrylate according to claim ~~16 or~~ 17, and a radical photo-, or thermal polymerization initiator.

Claim 20 (Cancelled)

21. (Currently Amended) An alkenyl ether having a structural unit represented by formula (V):



(V)

wherein n represents an integer of 2 to 1000,

R^1 represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^2, ~~R^3 and R^4~~ R^3, R^4 and R^5 independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R^1s, R^2s, R^3s, and R^4s, when they are each present two or more in number, may be the same or different, and

R^{18}, R^{19}, and R^{20} independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl.

22. (Currently Amended) The alkenyl ether according to claim ~~20 or~~ 21, wherein the number-average molecular weight thereof is 200 to 10000.

23. (Currently Amended) A composition comprising the alkenyl ether according to claim ~~20 or~~ 21 and a polymerization initiator generating an acid through heating or light irradiation.

24. (Currently Amended) A composition comprising the alkenyl ether according to claim ~~20 or~~ 21 and a compound having a maleimido group.

25. (Previously Presented) A composition comprising the urethane acrylate according to claim 6, and a radical photo-, or thermal polymerization initiator.

26. (Previously Presented) A composition comprising the urethane alkenyl ether according to claim 10, and a polymerization initiator generating an acid through heating or light irradiation.

27. (Previously Presented) A composition comprising the urethane alkenyl ether according to claim 10, and a compound having a maleimido group.

28. (Previously Presented) A composition comprising the ester acrylate according to claim 18, and a radical photo-, or thermal polymerization initiator.

29. (Previously Presented) A composition comprising the alkenyl ether according to claim 22 and a polymerization initiator generating an acid through heating or light irradiation.

30. (Previously Presented) A composition comprising the alkenyl ether according to claim 22 and a compound having a maleimido group.